

## REPLACEMENT SHEET

Title: Automated System for Rating Pipe Segments in a Water  
 Distribution System Appl.: Kevin B. Kirwan. Appl. No.: 09/668,081  
 Atty Docket No. 427-4 Customer No.: 570



Process Flow Chart for Pipe Rating System

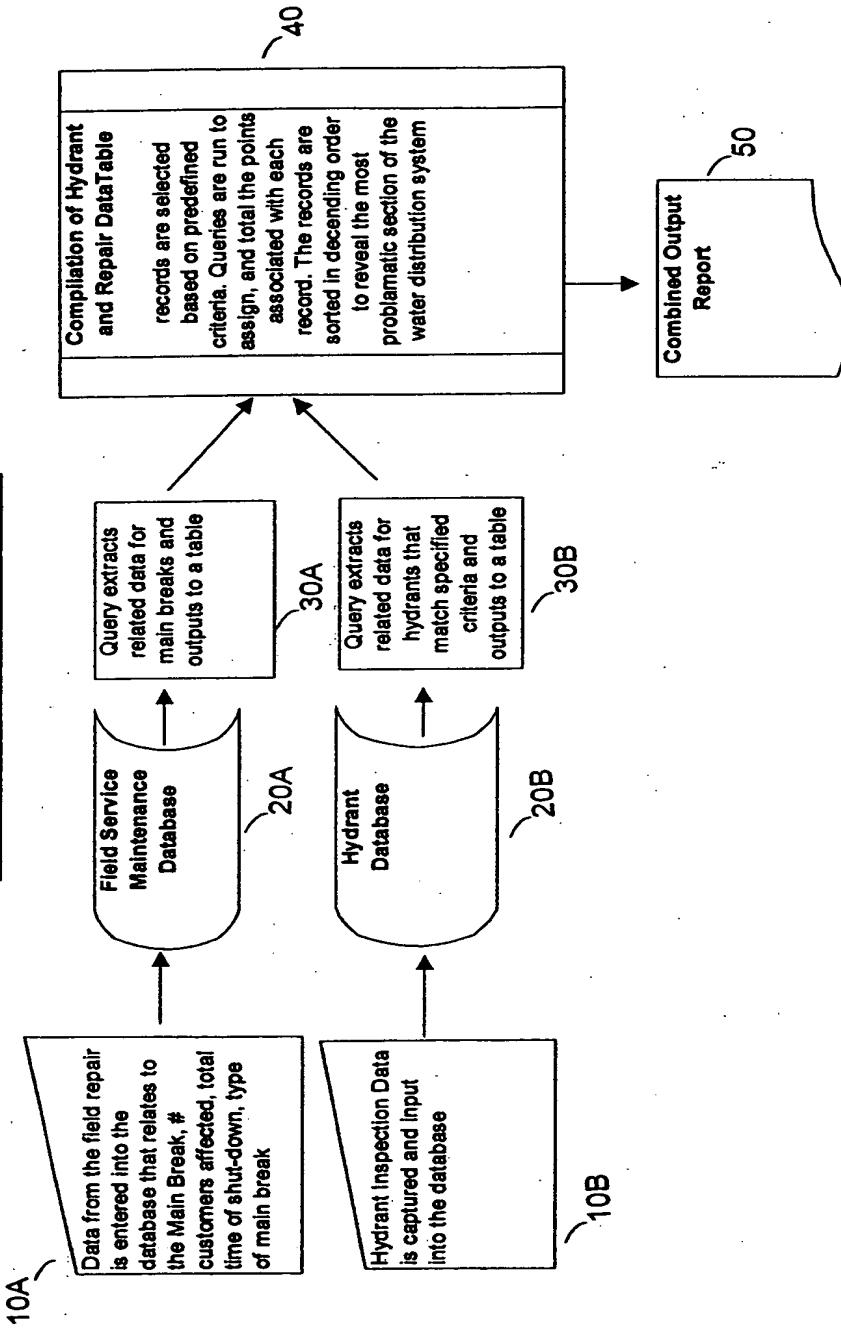


Fig. 1

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Microsoft Access - [tbWorkInput Table]

Field Name	Data Type	Description
Order Number	AutoNumber	
Date Received	Date/Time	
Date Started	Date/Time	
Customer Name	Text	
Street Number	Text	
Street Name	Text	
Nearest Cross Street	Text	
Town	Text	
Town Section	Text	
Phone Number	Text	
Customer Account Number	Number	
Requested By	Text	
Service Number	Text	
Account Charged	Text	
Description of Job	Text	Extract Water Main Break and Customer Water Quality Work Orders
Markout Required Y or N	Text	
Job Priority	Text	
Date Completed	Date/Time	

Field Properties

General	LookUp
Field Size	45
Format	>
Input Mask	
Option	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	No
Indexed	No

Design View F6 = Switch panes. F11 = Help

Fig. 2



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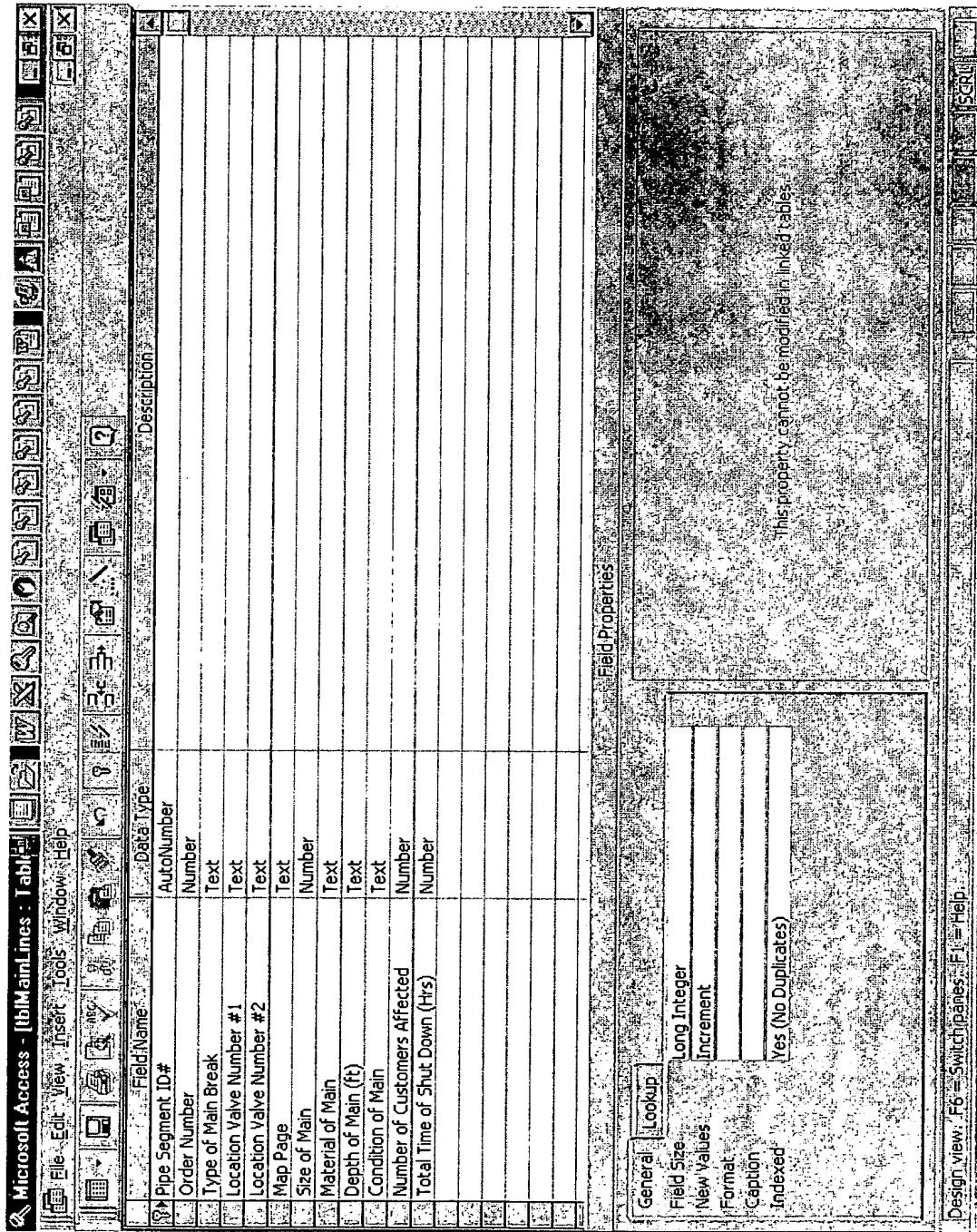


FIG. 3

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Microsoft Access - [lbHydrantFlushing.mdb] - [lbHydrantFlushing]

File Edit View Insert Tools Window Help

Field Name Data Type Description

ID	AutoNumber
HYDRANT #	Text
FLUSH DATE	Date/Time
STATIC PRESSURE	Number
FLOW-GPM	Number
GALLONS FLOWED	Number
CL2 RESIDUAL	Number
RESIDUAL PRESSURE	Number
REMARKS	Memo
EMPLOYEE NUMBER	Text
SIZE OPENING	Text
FULL FLOW TEST	Text
COMMENTS	Text

Field Properties

General

Lookup	
Field Size	150
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	No
Indexed	No

Design View

Fig. 4



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Fig. 5



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Select Order Number to Find: <input type="text" value="14056"/>		Exit Form																															
<table border="1"> <tr> <td colspan="2">Water Main Damage Form</td> </tr> <tr> <td>Order Number:</td> <td>14056</td> </tr> <tr> <td>Service Valve Number:</td> <td>78</td> </tr> <tr> <td>Service Valve Number 4/2:</td> <td>84C</td> </tr> <tr> <td>Depth of Main:</td> <td>3.5</td> </tr> <tr> <td>Map Page:</td> <td>CEMENT</td> </tr> <tr> <td>Material of Main:</td> <td></td> </tr> <tr> <td>Condition of Main Break:</td> <td>POOR</td> </tr> <tr> <td>Type of Main Break:</td> <td>6</td> </tr> <tr> <td>Size of Main:</td> <td>30</td> </tr> <tr> <td>Number of Customers Affected:</td> <td>4</td> </tr> <tr> <td>Total Time of Shut Down (Hrs):</td> <td>Close Form</td> </tr> <tr> <td colspan="2">Record ID: <input type="text" value="140562001 (Edited)"/></td> </tr> <tr> <td colspan="4"> <input checked="" type="checkbox"/> Continue  <input type="checkbox"/> Back to Main Index  <input type="checkbox"/> Back to Main Form  <input type="checkbox"/> Back to Previous Record  <input type="checkbox"/> Back to Next Record  <input type="checkbox"/> Back to First Record  <input type="checkbox"/> Back to Last Record         </td> </tr> </table>				Water Main Damage Form		Order Number:	14056	Service Valve Number:	78	Service Valve Number 4/2:	84C	Depth of Main:	3.5	Map Page:	CEMENT	Material of Main:		Condition of Main Break:	POOR	Type of Main Break:	6	Size of Main:	30	Number of Customers Affected:	4	Total Time of Shut Down (Hrs):	Close Form	Record ID: <input type="text" value="140562001 (Edited)"/>		<input checked="" type="checkbox"/> Continue <input type="checkbox"/> Back to Main Index <input type="checkbox"/> Back to Main Form <input type="checkbox"/> Back to Previous Record <input type="checkbox"/> Back to Next Record <input type="checkbox"/> Back to First Record <input type="checkbox"/> Back to Last Record			
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| |   |  | |---|--| | Employee Name:  | EVANS F.                               | | Date Entered:   | 12/15/98                               | | Total Employees on Job:   | 2                                      | | Total Actual Job:   | 12:30 PM                               | | Total Actual Comp:  | 6                                      | | Record ID:  | <input type="text" value="140562001"/> | | <input type="checkbox"/> Continue<br><input type="checkbox"/> Back to Main Index<br><input type="checkbox"/> Back to Main Form<br><input type="checkbox"/> Back to Previous Record<br><input type="checkbox"/> Back to Next Record<br><input type="checkbox"/> Back to First Record<br><input type="checkbox"/> Back to Last Record |  | | | | |

Fig. 6



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Fig. 7

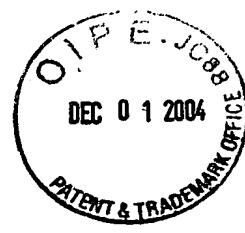


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Hydrant Data		System Flushing Data		New Record	
HYDRANT #	HNT-35	FLUSH DATE	4/7/99	EMPLOYEE	18805040
STREET		FLOW GPM	1050	STATIC PRESSURE	78
DIR.		GALLONS FLOWED	15750	RESIDUAL PRESSURE	
DEP.		CHLORINE	1	SIZE OPENING	4 INCH
ELT		REMARKS	NO OFFSET		
SIZE		INS. ALLU.	32326	REMOVED	
LA.	REMOVED	DIR.		STATUS	ACTIVE
REMARKS					

Fig. 8



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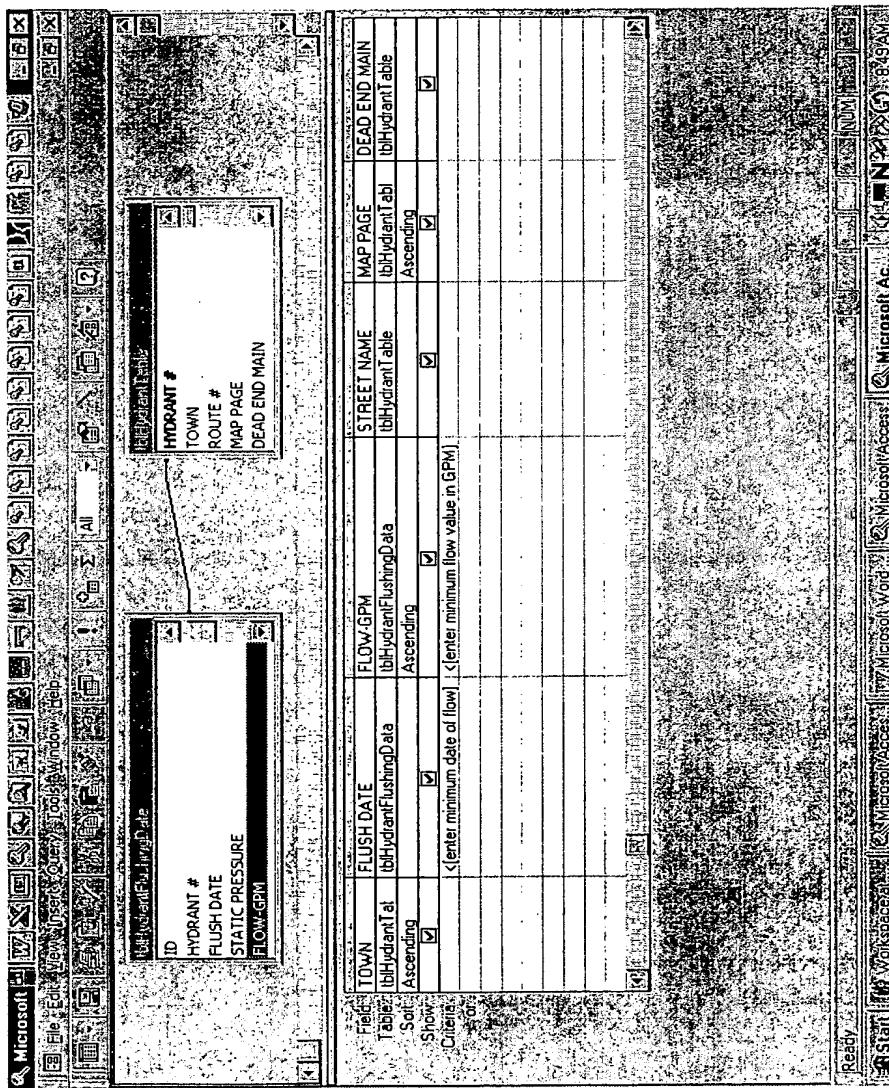


Fig. 9



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Field Name	Data Type	Description
Order Number	AutoNumber	
Town	Text	
Street Name	Text	
Description of Job	Text	Like Water Main Break, Water Quality Complaint
Size of Main	Number	
Number of Customers Affected	Number	
Total Time of Shut Down (Hrs)	Number	
Expr1	Number	Results of Expression from the query that calculates the total points based on entered criteria
Expr2	Number	Results of Expression from the query that calculates the total points based on entered criteria
Expr3	Number	Results of Expression from the query that calculates the total points based on entered criteria
Expr4	Number	Results of Expression from the query that calculates the total points based on entered criteria
Expr5	Number	Results of Expression from the query that calculates the total points based on entered criteria
Expr6	Number	Results of Expression from the query that calculates the total points based on entered criteria
Expr7	Number	Results of Expression from the query that calculates the total points based on entered criteria

Field Properties

General	Format	Field Size	Decimals	Input Mask	Caption	Default Value	Validation Rule	Validation Text	Required	Indexed
Group	Long Integer		Auto						No	No
The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 to help with descriptions.										

Fig. 10



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Fig. 11